

Log of Well

[illegible]

5400

100

File No. 17063

T. 15 R. 21

DUPLICATE

County Fergus

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 27 1963

STATE ENGINEER

1. Ralph M Beatty
(Name of Appropriator)

, of

(Address)

Fergus
(Town)

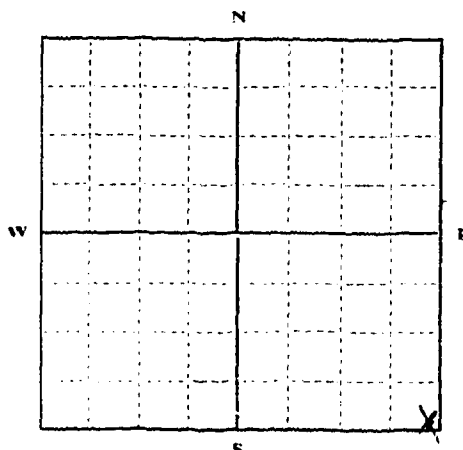
County of

Fergus

State of

Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 19 T. 18 R. 21

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1941 - continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) continuous flow
200 gallons per hour

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Natural flow

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1941

8. The depth of water table Flows

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater

10. The estimated amount of groundwater withdrawn each year 876,000 gallons

11. The log of formations encountered in the drilling of each well if available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Ralph M BeattyDate Dec 26 - 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

13282

17063

COPY

State of Minnesota } ss.
County of Hennepin }

Filed DEC 26 1963
at 2:00 o'clock P. M.

Wm. J. Arthur
County Clerk and Recorder

200-put

File No. 17059

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—42234

T. 18 R. 21

County Fergus

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

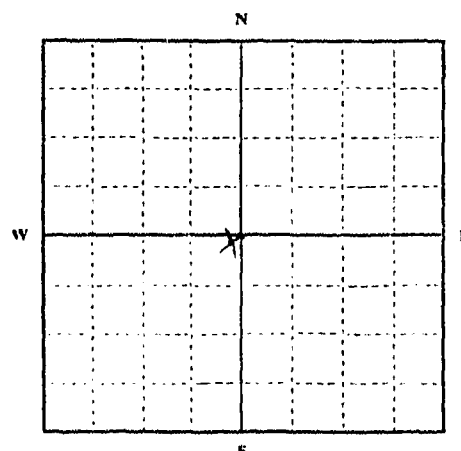
RECEIVED
DEC 27 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Ralph M Beatty, of Fergus
(Name of Appropriator) (Address) (Town)
County of Fergus State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SW 1/4 Sec 19 T. 18 R. 21

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been April 23 - 1961
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 180 gallons per hour
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
Approx 20 acres NE 1/4 of SW 1/4 Sec 19
Ralph M Beatty
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Mechanical pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started April 19-1961 Completed April 23-1961
8. The depth of water table 23 FT
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 1/2 inch casing 166 FT deep
10. The estimated amount of groundwater withdrawn each year 518,400 gallons
11. The log of formations encountered in the drilling of each well if available

0-3 Surface Soil	16-18 Per gravel - water	40-50 Silt shale	110-155 Shale
3-7 gravel	18-22 Clay	50-147 Shale	151-157 Sandy shale
7-10 clay	22-25 Silt - water	147-148 Hard Sand Rock	157-162 Shale
10-16 gravel	25-40 Shale	148-150 Sandy shale	
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Recorded Court House Lewistown Montana

Signature of Owner Ralph M Beatty

Date Dec 26-1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

13278

17059

COP:

Filed DEC 26 1953
at 2:00 o'clock P.
May Nathan
County Clerk and Recorder
220

GROUNDWATER INDEX

Page 1 of 1

County Franklin Twp. 1870 Rge. 22E

[illegible]

4873

Approved Stock Form - State Publishing Co., Helena, Montana - 34687

File No.

T. 18 R. 22

DUPLICATE

County. Lincoln

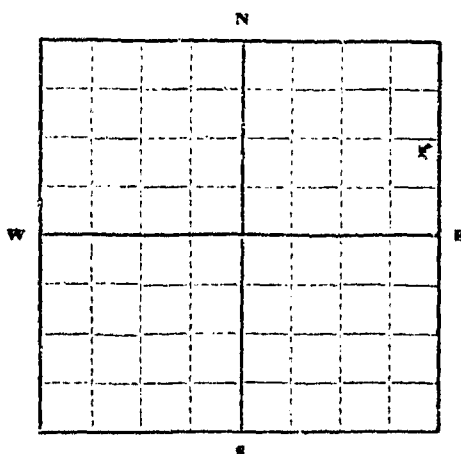
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 11 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Ray Hansen of Ray, Montana
(Name of Appropriator) (Address) (Town)
County of Lincoln State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NE Sec. 1 T. 18 R. 22

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based Electricity
and domestic use

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been Since 1949
continuous

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 5 gallons

5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
Not used for irrigation

6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal
by pump

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater March 1949 and Oct 1949

8. The depth of water table 230 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater 4 in casing and 1545 ft
deep

10. The estimated amount of groundwater withdrawn each year 109,500 gals

11. The log of formations encountered in the drilling of each well if available

200 ft. below this table and 200 ft. below this
depth

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record None

Signature of Owner Ray Hansen

Date 7/10/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau
of Mines and Geology, and Quadruplicate for the Appropriator.

14873

COPY

State of Montana } ss.
County of Park

JUL 10 1963

19

Filed

at 12:20

o'clock P. M.

May Kathleen
County Clerk and Recorder

#200
-pd

File No.

17598

DUPLICATE

T18N R22E

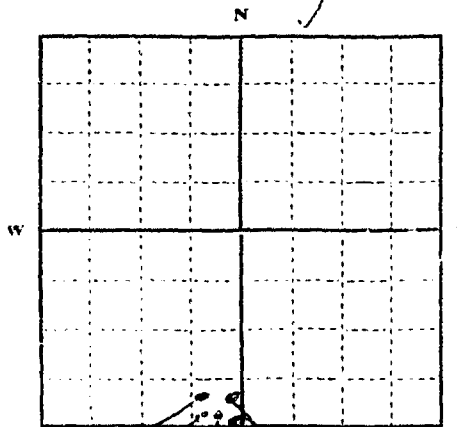
County *Argus*

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, *Ed B. Fadrkone*, of *Ray* (Address) *Ray* (Town)
County of *Argus* State of *Montana*
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based *Stock water*3. Date or approximate date of earliest beneficial use; and how continuous the use has been *Oct - 1948*4. The amount of groundwater claimed (in miner's inches or gallons per minute) *Used all the time*5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof *70 gals a minute*6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal *Only for lawn & garden*7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater *Electric pumps*8. The depth of water table *From 11 to 15 feet*9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater *Completed in Oct 15, 1948*10. The estimated amount of groundwater withdrawn each year *Well #1 is now capped with cement block*11. The log of formations encountered in the drilling of each well if available *While #2-3-4 are still concrete 14 ft deep*12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record *Approx 100,000 gal*Signature of Owner *Ed B. Fadrkone*Date *12/30/63*

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

19059

#5 is a well developed spring & could
be used as a source of irrigation
in case need be. This spring & wells
could possibly irrigate 15 acres of
alfalfa, which joins this spring &
wells.

17598 COPY

State of Montana,
County of Park.

DECEMBER 19

Filed

at 11:30 o'clock A.M.

NOTARY PUBLIC

#2 H. County Clerk and Recorder

File No. **17243**

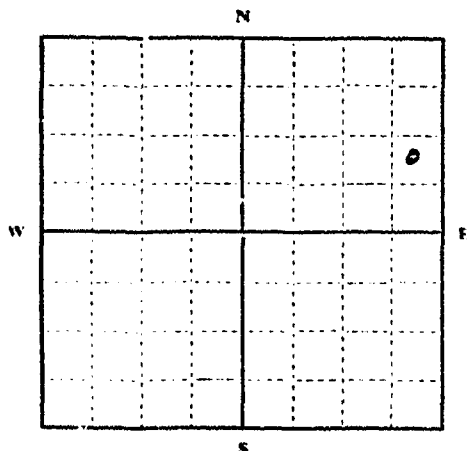
DUPLICATE

T. **12** R. **22**
County **Terrebonne**STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
JAN 2 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Nellie Tadshaw**, of **Roy** (Name of Appropriator) (Address) (Town)
County of **Terrebonne** State of **Montana**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. W. 1/4 NW Sec. 3 T. 19 R. 22

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based **stock water & irrigation**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **well was dug in 1941 and used by me ever since**
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **5 gal per min**
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof **9 irrigate garden and trees, flowers and lawn**
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal **electric pump**
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **well dug in 1941 and cased with rock**
8. The depth of water table **varies with seasons, well about 20 ft deep**
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater **well is about 6 ft across and 20 ft deep**
10. The estimated amount of groundwater withdrawn each year **est. note 50,000**
11. The log of formations encountered in the drilling of each well if available **no log available**
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record **I do not know if there is any county record or not**

Signature of Owner **Nellie Tadshaw**Date **Dec 30, 1963**

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

17174

17243

COPY

State of Missouri
County of [unclear]

Filed DEC 30 1963 19
at 10:55 AM

May Rothman
County Clerk and Recorder

200 pt.

File No. **17572**T. **18** R. **22**

DUPLICATE

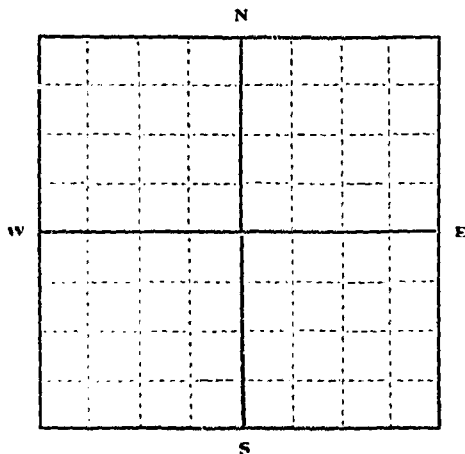
County **Fergus**

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Richard W. Coulter** of **Roy, Montana**
 (Name of Appropriator) (Address) (Town)
 County of **Fergus** State of **Montana**
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 7 T. 18 R. 22

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

Roy Original Lot 5 Block 19

2. The beneficial use on which the claim is based **Household and livestock watering, irrigating garden.**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **Approx. 1948 and has been used continuously for above uses.**
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **110 feet of water in well, using approximately 5 gallons per minute.**
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof **irrigating 1/2 acre of garden for own use.**
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal **deep well pump.**
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **approximately 1948.**
8. The depth of water table **90 feet.**
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater **drilled well, 5 inch casing, 150 ft. deep.**
10. The estimated amount of groundwater withdrawn each year **for family of six, 1/2 acre garden and 10 head of livestock, all the year around.**
11. The log of formations encountered in the drilling of each well if available **not available by owner.**
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record **not available to owner.**

Signature of Owner *Richard W. Coulter*

Date **December 31, 1963**

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

19036

17572

State of Montana, }
County of Fergus }

COPY

DEC 31 1963

Filed

at 10:30 o'clock A.M.

#2 Pd.

MAY RUTHERFORD
County Clerk and Recorder

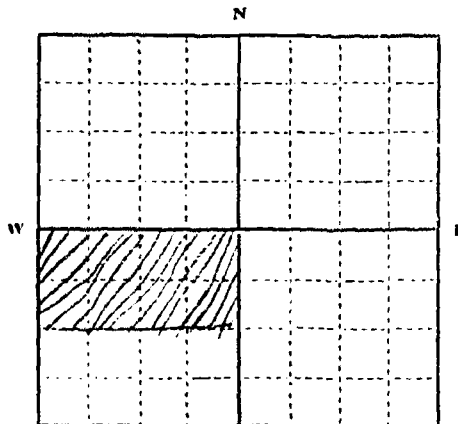
File No. **17242**

DUPLICATE

T. **18** R. **22**
County **Fergus**STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
JAN 2 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Joseph Murphy**, of **Ray**
(Name of Appropriator) (Address) (Town)
County of **Fergus** State of **Montana**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:NW 1/4 SW
NE 1/4 SW Sec. 7 T. 18 R. 22Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based
sub-irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **used for sub-irrigation of meadow ever since 1890**
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **I hereby claim the sub-irrigation rights on this underground water**
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
80 acres of hayland has been sub-irrigated here more than 70 years
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
The alfalfa roots withdraw the water
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **alfalfa planted about 1890**
8. The depth of water table **varies with seasons 1 ft to 20 ft**
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
In wet seasons, springs appear and flow
10. The estimated amount of groundwater withdrawn each year **depends on season estimate 9,000,000**
11. The log of formations encountered in the drilling of each well if available
This entire 80 acres is underlain with underground water
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
County records should show this field was hayland for over 70 years

Signature of Owner

Date **Dec 28, 1963**

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

17242

COPY

State of Illinois, ss.
County of [illegible]

Filed DEC 30 1963

at 10:55 o'clock A.M.

Wm. R. [illegible]
County Clerk and Recorder

\$20.00

File No. **17017**

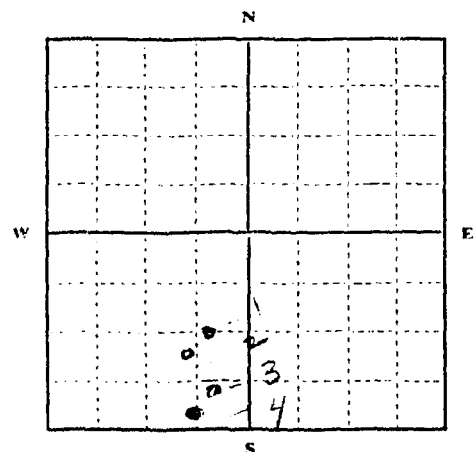
DUPLICATE

T. **17** R. **22**
County **Fergus**STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER**RECEIVED**
DEC 26 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. **Joseph Murphy** of **Ray** **Mont**
(Name of Appropriator) (Address) (Town)
County of **Fergus** State of **Montana**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SE 1/4 SW Sec. 7 T. 18 R. 22

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based... **stock water & irrigate**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been... **Continuous since 75 years former owner 60 years, I had 15 years since**
4. The amount of groundwater claimed (in miner's inches or gallons per minute)... **Each well & spring produces about 4 gal per min.**
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof... **I irrigate garden**
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... **spring produces alone Windmill pumps from well**
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... **1898 to 1960**
8. The depth of water table... **varies from 20 ft to 1800**
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... **Windmill well is 22 ft no 4
spring cleaned 6 ft no 2
well about spring dug 22 ft no 1
well at chert 24 ft no 3**
10. The estimated amount of groundwater withdrawn each year... **spring varies, Well produces 200,000**
11. The log of formations encountered in the drilling of each well if available... **log not available**
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record...

Signature of Owner

Date

Dec 23, 63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

12076

17017

COPY

State of Montana, } ss.
County of [unclear]

Filed DEC 23 1963 19
at 2:40 o'clock P.M.
May [unclear]
County Clerk and Recorder

\$2.00 pd

STATE ENGINEER

T. 18 N R 22 E 7
County: Mineral

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: C. J. Satter Field Address: R. 4 Mont.
Driller: C. E. Harrell Drilling Address: Box 456 Lewistown
Date Started: Oct 4 - 58 Date Completed: Oct 6 - 58
Location: Sec. 7 T. 18 R. 22 1/4 sec. Part W 1/2 SE 1/4 - 6 Acres

Type of well: Drilled (Dug, driven, bored, or drilled) Equipment used: Rotary (Churn drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other: _____

Casing: Surface ft. to 67 ft. Type: Galv 7 1/2 lb 4 1/2 O.D.

Casing: _____ ft. to _____ ft. Type: _____ Size: _____

Casing: _____ ft. to _____ ft. Type: _____ Size: _____

Perforated or Screened: Ft. _____ to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations: open hole Sand rock

Static Water level, for non-flowing well: 10 ft feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____ (date)

Pumping water level: 64 feet at 5 gal. per min.

How tested: Baled & pumped

Length of test: 18 hrs

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Depth, feet		Description of Material Drilled
From	To	
Surface	5	Loam
5	18	Gravel
8	57	Bent & shale Shale
57	62	sand rock Bent & shale
62	67	Sand rock
67	92	Coarse Sand rock
92	117	Soft rock
117	154	Soft coarse rock

State of Indiana,
 County of Madison,
 ss. I, Clerk of said Court,
 do hereby certify that the foregoing is a true and correct copy of the report of the
 10:35
 500 ft
 1958

○

State of Indiana,
County of Elkhart,
ss: I, J. J. [illegible],
1958

10:35

506

File No. **23313**T. **18 N. R. 22 E. 7**

DUPLICATE

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JUN 24 1965

**Notice of Completion of Groundwater
Appropriation by Means of Well**
DEVELOPED AFTER JANUARY 1, 1962

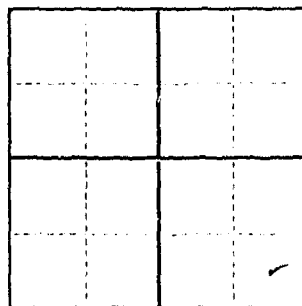
(Under Chapter 237, Montana Session Laws, 1961)

Owner: **George O. Singley** Address: **Lewistown, Montana**Driller: **Roy School Dist. #74** Address: **Roy, Montana**Date of Notice of appropriation of groundwater: **None**Date well started: **Jan. 4, 1965** Date completed: **April 12, 1965**Type of well: **Drilled** Equipment used: **Rotary**
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☒

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5-5/8"		0	505			
4-3/4"		505	1010			
3-7/8"		1010	1288			
		4 1/2" ID 4" OD above				
		6.7' Blk ground				
		1'	510			
		2" Galv.	470			
			1288			

Pipe



Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well

..... **0**feet.Shut-in Pressure for flowing Well..... **0**Pumping Water Level..... **160**feetat..... **15**gal. per minute.

Discharge in gal. per min. of flowing well

..... **0**How Tested..... **Pumping**Length of Test..... **24 hours**

Remarks: (Gravel packing, cementing, packers, type of shutoff).....

4" casing cemented in.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Top of Ground (Elev. above sea level.....)	
0	2 Topsoil
2	6 Yellow clay
6	16 Gravel
16	30 Light blue shale and clay
30	60 Layers of sandy rock and shale. Small amount of water
60	80 Light blue shale and clay
90	130 Light grey shale, brown tint
130	180 Rock and sandstone Small streaks of water at 130-140 and from 170-180.
180	182 Shale
182	199 Coal and shale
199	206 Hard sandstone
206	207 Coal
207	270 Sandstone
270	275 Coal and sandstone
275	295 White sandstone
295	318 Shale
318	320 Coal
320	330 Shale
330	360 Sandy shale and rock
360	385 Sandrock
385	470 Shale brown and white specked sandstone clay
470	475 Brown and white grey shales
475	530 Hard rock
530	537 Brown shale
537	540 Rock
540	541 Rock
541	630 Shale
630	647 Light blue sandstone
647	695 Shale
695	700 Bentonite and shale
700	872 Shale
872	873 Hard rock
873	900 Shale and Bentonite
900	901 Rock
901	950 Shale
950	951 Rock
951	986 Shale
986	987 Rock
987	1010 Shale
1010	1013 Rock
1013	1063 Sandy shale
1063	1064 Rock
1064	1106 Sandy shale
1106	1111 Bentonite
1111	1145 Shale sandy
1145	1170 Show of gas Sandy shale
1170	1171 Hard silicate sand
1171	1217 Rock
1217	1374 Shale and streaks Bentonite

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller's License Number **19**

Driller's Signature **George O. Singley**

29251

23312- COPV

EXHIBIT 100, 1
COUNTY OF HENRYS

FILED JUN 23 1965

at 10:00 o'clock A.M.

Way Ralther
County Clerk and Recorder

No Fee

File No. 17615

T. 18N. R. 22E.

DUPLICATE

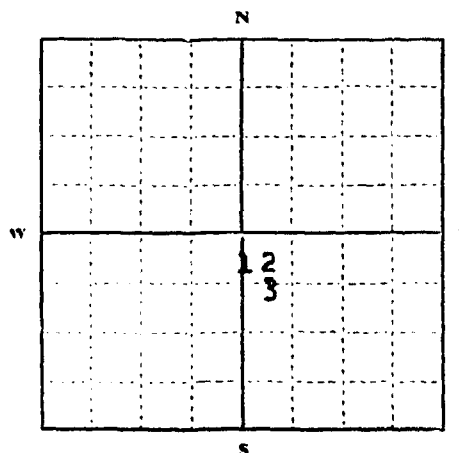
County. FERGUS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. ALBY A. WASS of RG7 (Name of Appropriator) (Address) (Town)
County of FERGUS State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$ Sec. 7. T. 18 R. 22

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based domestic and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been REX Prior to 1913 and continuous since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) About 8 gallons per minute from each well
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof all three wells used to irrigate about 10 acres of hay land and lawn around the buildings on the Northwest Quarter of the Southeast Quarter of said Section 7
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Prior to 1913
8. The depth of water table About 20' from the surface
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Each well dug 25' deep, about 4' in diameter, cased with brick; each well into house and another well into another house; both wells used also for irrigation and third well used only for irrigation
10. The estimated amount of groundwater withdrawn each year about 50,000 gallons each year from all three
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner

Date Dec. 30th 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

19076

17615

State of Montana,
County of Lewis & Clark }

CC

Filed _____ 19____
at 12:25 o'clock P.M.
*300000 MAY 1910
County Clerk and Recorder

File No.

17275

T. 18 R. 22

DUPLICATE

County

Fergus

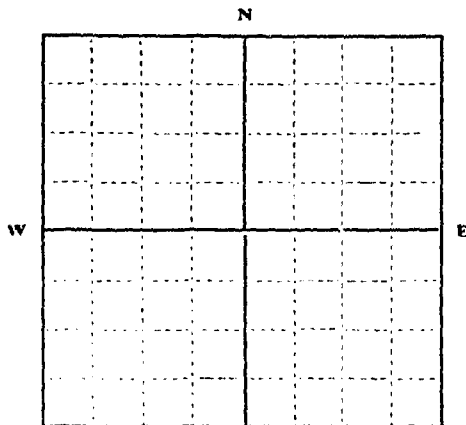
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Steve Rucal, of Box 403 Roy, MONT
(Name of Appropriator) (Address) (Town)
County of FERGUS State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 11 Block 3
Roy
1/4 Sec. T. R.
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based LAUNDRY
STORE, HOUSE hold
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1958
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 gallons
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1958
8. The depth of water table 7 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 20 in. casing - 13 ft depth
10. The estimated amount of groundwater withdrawn each year 540,000
11. The log of formations encountered in the drilling of each well if available None
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Steve Rucal

Date

12/30/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

17205

17275

COPY

State of Montana, } ss.
County of Fergus.

Filed DEC 20 1963
at 1:15 o'clock P. M.

Way D. Butler
County Clerk and Recorder

200-72

17614

File No.

T. 18N R. 22E

DUPLICATE

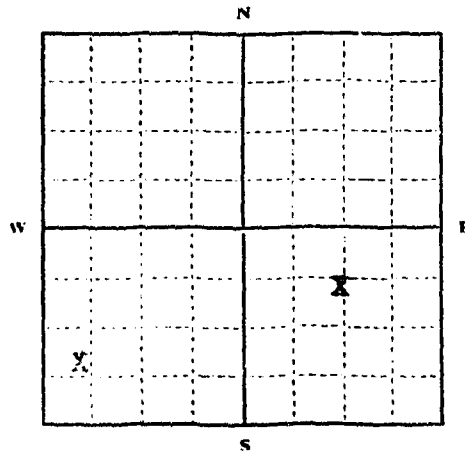
County PERGUS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. L. M. A. WASS, of ROY (Town)
(Name of Appropriator) (Address)
County of PERGUS State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec 8 T. 18 R. 22

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based stock water, domestic and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Prior to 1913 and continuous since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof About 80 acres on South Half of said Section 8 of hay land, irrigated from each well
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump on each well; one well on Northeast Quarter of the Southeast Quarter and other well on Southwest Quarter of the Southwest Quarter of said S. 8
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Prior to 1913
8. The depth of water table About 30' from surface
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Each well dug about 25' deep, cased with rock, about 4' in diameter; domestic use at buildings on the Southwest Quarter of the Southwest Quarter of said Section 8 from the well on said 40; both wells also used for stock water into tanks next to wells and for said irrigation
10. The estimated amount of groundwater withdrawn each year About 4,000,000 gallons per year from yeach well
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner L. M. A. Wass

Date 12-30-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

19075

17614

COPY

State of Montana, } ss.
County of Fergus.

DEC 31 1953

Filed.....19

at 12:25 o'clock P. M.

#2 ss. **MAY RATHBUN**
County Clerk and Recorder

File No. 17592

T. 18 R. 22

DUPLICATE

County *Fergus*

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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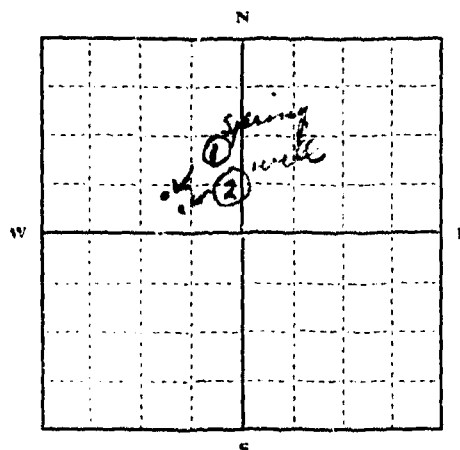
JAN 5 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. *James J. Marcella Hornyak* of *Ray* (Name of Appropriator) (Address) (Town)

County of *Fergus* State of *Montana*
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 10, T. 18, R. 22

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use, on which the claim is based *Livestock watering* *water livestock in winter*

3. Date or approximate date of earliest beneficial use; and how continuous the use has been *1936 yearly*
17. 1960

4. The amount of groundwater claimed (in miner's inches or gallons per minute) *10 gal.*, *5 gal. a minute*

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
none

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Spring

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater *1936* *1960*

8. The depth of water table *18'* *20'*

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
1 Spring size 40 feet by 60 feet 18 deep
2 Well 14 casing 20 feet deep

10. The estimated amount of groundwater withdrawn each year *50,000 gal.* *30,000 gal.*

11. The log of formations encountered in the drilling of each well if available *mostly gravel formations in 1 and 2*

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record *none*

Signature of Owner

James Hornyak
Marcella Hornyak
Date *Dec 30 - 1963*

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

17053

17592

State of Montana, } ss. COPY
County of Fergus }
Filed DEC 31 1963
at 11:30 o'clock A.M.
\$ 2⁰⁰ Q. MAY RATHBUN
County Clerk and Recorder

File No. 17244T. 17 R. 22

DUPLICATE

County Terrebonne

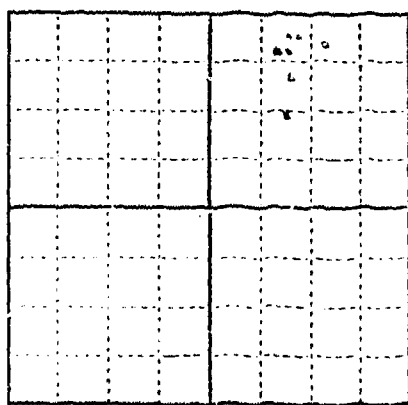
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

1. John Siroky Jr. of Roy
(Name of Appropriator) (Address) (Town)
County of Terrebonne State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE NE
NW NE
SW NE Sec. 14 T. 17 R. 22

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based. stock water & irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. First well dug in 1913. Other 4 wells from 1920 to 1950. All used continuously.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 30 gal per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. irrigate farm garden & trees
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. 4 electric pumps on wells. The spring flows
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. From 1913 to 1950. Spring was cleaned 12 ft deep by back-hoe.
8. The depth of water table. varies from 10 ft to 2000 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 4 5 wells on 5 ft square with sack canvas. 4 have 3 ft steel casing. They vary in depth from 10 ft to 22 ft.
10. The estimated amount of groundwater withdrawn each year. 500,000 gal.
11. The log of formations encountered in the drilling of each well if available. No log available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. No county record

Signature of Owner

John Siroky Jr.
Date Dec 28, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quaduplicate for the Appropriator.

17244

COPY

State of Michigan
County of Wayne

Filed DEC 30 1963 19
at 10:55 o'clock A.M.

Wm. Rothman
County Clerk and Recorder

B 2nd pt.

File No. 17111T. 18 R. 22

DUPLICATE

County Terrebonne

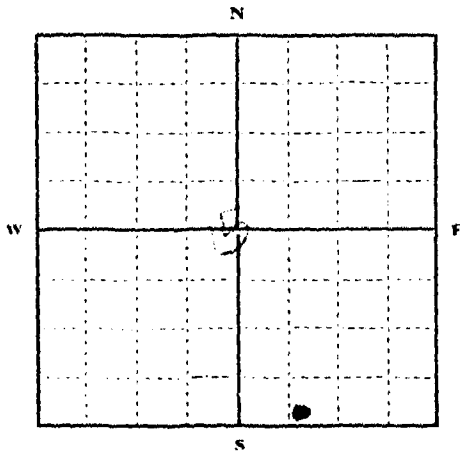
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

1. William F. Davis, of Ray,
(Name of Appropriator) (Address) (Town)
County of Terrebonne State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 15, T18, R22

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based. stock water and to fill ditch
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. well was drilled in 1960 and used since then
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10 gal per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. irrigation water not applied yet.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. It is now ready for the windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. well started in 1960 and is ready for the windmill, the spring is dry.
8. The depth of water table. I estimate it between 50 and 100 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. It is a 2 inch casing on it now. I plan to put that in soon
10. The estimated amount of groundwater withdrawn each year. will produce 5,000 gal per year
11. The log of formations encountered in the drilling of each well if available. The log is available. It is just added to the record book
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner William F. DavisDate Dec 24, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

14343

17111

COPY

State of Montana }
County of Flathead }

Filed DEC 27 1963 19

at 10:00 o'clock P. M.

Wm. H. Hutton
County Clerk and Recorder

*200 pt

File No. 01(15)T. 18N R. 22E MPM.

DUPLICATE

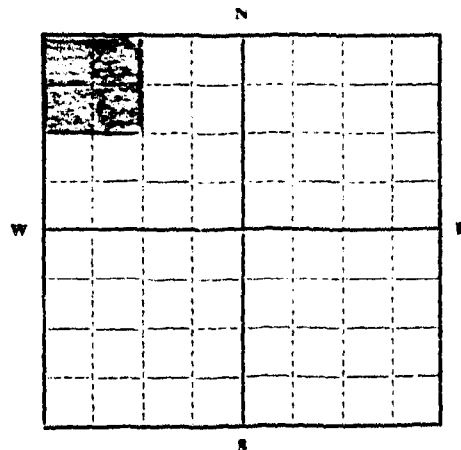
County Fergus

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. United States of America of c/o U. S. Corps of Engineers
(Name of Appropriator) (Address) (Town)
Cascade County of Montana State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 16 T. 18N R. 22E MPM

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based.....
Domestic use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
6 October 1960
Continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
2 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....
None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Electrical lift pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
Started - 2 October 1960
Completed - 6 October 1960
8. The depth of water table.....
8.4 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....
Drilled vertical well - 460 feet
10. The estimated amount of groundwater withdrawn each year.....
2880 gallons
11. The log of formations encountered in the drilling of each well if available.....
Shale, sandstone and bentonite of various types
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

WITNESS:

Charles E. Matthew

Signature of Owner

UNITED STATES OF AMERICA

By John E. Ritchie, Actg. Chief
Great Falls Real Estate Ofc
Date USCE, Seattle District

Date 10 April 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

9276

COPY

State of Montana } ss.
County of Focus }

Filed APR 11 1962 19
at 3:50 o'clock P.M.

May Rathbone
County Clerk and Recorder

\$200.00

File No. 17013T. 17 R. 22

DUPLICATE

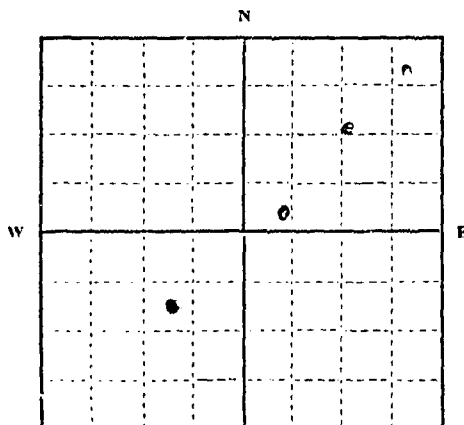
County Beaver

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 26 1963

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Joseph Murphy of Ray Mont
(Name of Appropriator) (Address) (Town)
County of Beaver State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.E. 4 SW 17 17 22
1/4 NW Sec. 12 T. 17 R. 22

Indicate point of appropriation
and place of use, if possible.
Each small square represents 16
acres.

2. The beneficial use on which the claim is based.
Stock water and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
springs have been used more than 175 years
4. The amount of groundwater claimed (in miner's inches or gallons per minute). Each spring produces 15 gal per min. well 5 gal per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
garden and grass
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
Electric pump on well
springs flow alone.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Well dug in 1960
springs used since 1990 continuously
8. The depth of water table. varies from 20 ft to 1800 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
Well is 20 ft
both springs cleaned to 6 ft
10. The estimated amount of groundwater withdrawn each year. approximately 1,000,000 gal.
11. The log of formations encountered in the drilling of each well if available.
No log kept
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Joe MurphyDate Dec 23, 63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

12072

17013

COF'

State of Michigan } ss.
County of Wayne }

Filed DEC 23 1953 19
at 2:40 P.M.
Wayne Rothman
County Clerk and Recorder

\$ 200
per

File No. **17344**T. **18** R. **22**

DUPLICATE

County **Lincoln**

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

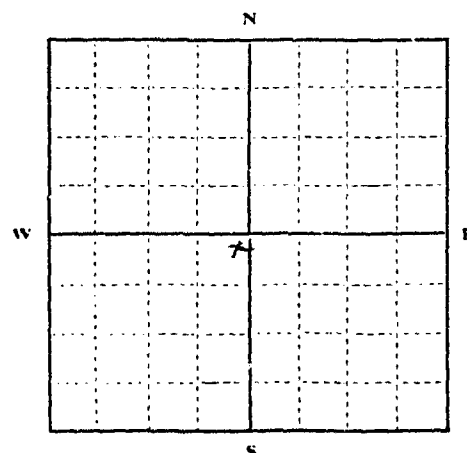
RECEIVED
JAN 2 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. **Leroy & Charles Coulter**, of **Hog** **Roy**
(Name of Appropriator) (Address) (Town)
County of **Lincoln** State of **Montana**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec **26** T**18** R**22**

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based **Household**
stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **1916**
except for short periods of time between
3-4-46 from that time in continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **7 gals per minute**
claim all at present
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal **hand pump**
NE 1/4 Sec 26 T18 R22
Section 20
T18 R22
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **on or as soon as possible**
drilled in 1916
8. The depth of water table **12 feet**
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater **drilled well with 6" casing**
and approximately 12 feet deep
10. The estimated amount of groundwater withdrawn each year **182,500 gallons**
11. The log of formations encountered in the drilling of each well if available **not available**
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record **None**

Signature of Owner

Leroy Coulter

Date

Dec 30, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

17344

17344

State of Missouri
County of St. Louis

COPY

DEC 30 1963

Filed _____ 19____
at 2:35 o'clock P.M.

\$200 PD

May G. Gathun
County Clerk and Recorder

File No. 17016T. 18 R. 22

DUPLICATE

County Fergus

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

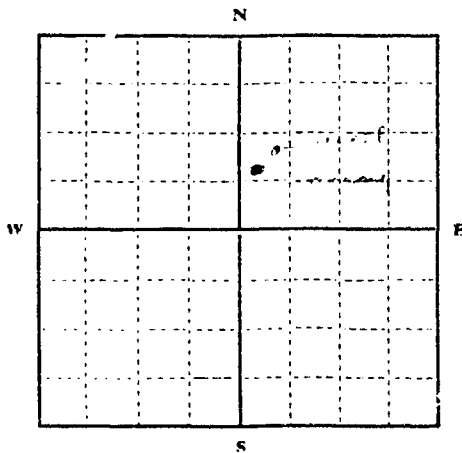
RECEIVED
DEC 26 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Joseph Murphy, of Ray Montana
(Name of Appropriator) (Address) (Town)
County of Fergus State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec 20 T. 18 R. 22

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based.....
stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
used more than 75 years
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
4000 gal per day
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....
.....
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
spring near a house
and a well
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
well in 1955
spring used continuously since 1890
8. The depth of water table.....
varies 20 ft to 1200 or more
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....
well is 25 ft
spring has been 1.5 in. and 4 cement box
put around it
10. The estimated amount of groundwater withdrawn each year.....
use approximately 240,000 gal
11. The log of formations encountered in the drilling of each well if available.....
no log kept
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....
.....

Signature of Owner

Date Dec 23, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quaduplicate for the Appropriator.

2075

17016

CONF

State of Montana, ss.
County of Park

Filed DEC 23 1963 12
at 2:40 o'clock P.M.

Wray Rathbun
County Clerk and Recorder

20/pt

File No. 17369T. 18 R. 22

DUPLICATE

County Fergus

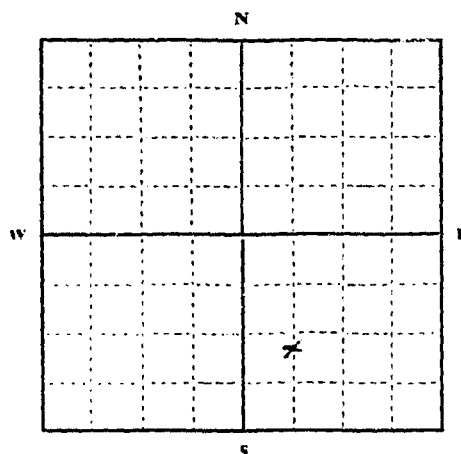
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Alvin B. Anderson, of Box 411 Ray
(Name of Appropriator) (Address) (Town)
County of Fergus State of Mont
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SE 1/4 Sec. 21 T. 18 R. 22

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based Livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. beg in 1914 & used each year since
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 1 1/2 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. Not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump 200 yds E 125 yds S from NW corner of the SW 1/4 SE 1/4 Sec 21 T. 18 R. 22
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1914
8. The depth of water table. 10 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Hand dug 8' square 12' deep
10. The estimated amount of groundwater withdrawn each year. 156,600 gallons
11. The log of formations encountered in the drilling of each well if available. None
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None

Signature of Owner

Alvin B. AndersonDate 12/30/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

17296

17369

COPY

State of Montana, }
County of Fergus. }

Filed DEC 30 1963

at 3:15 P.M. Clerk of Court.
\$0.00 *Lucy Rathen*
P.D. County Clerk and Recorder

File No. 17110T. 17 R. 22

DUPLICATE

County Fergus

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

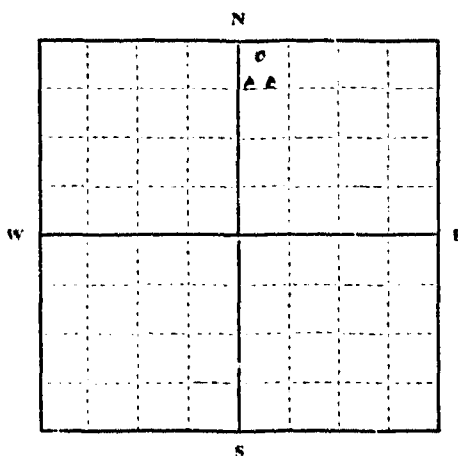
RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. William F. Davis, of Ray
(Name of Appropriator) (Address) (Town)
County of Fergus State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NE Sec. 23 T. 17 R. 22

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based... stock water and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been... Well dug in 1911 and used ever since
4. The amount of groundwater claimed (in miner's inches or gallons per minute)... each well can produce 4 gal per min = 0.12 gal
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof... large garden spots, and hay areas made up of meadow if necessary
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... pump on well — pump jack & electric motor on other well
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... first well dug in 1910. The other two wells drilled in 1960
8. The depth of water table... varies from 40 ft to 100 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... one well is 74 ft deep, another is 60 and the other well is about 20 ft.
10. The estimated amount of groundwater withdrawn each year... estimate 12,000,000
11. The log of formations encountered in the drilling of each well if available... No log available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record...

Signature of Owner William F. DavisDate Dec 24, 63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder, duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

14342

17110

COPY

State of Indiana, ss.
County of [unclear]

Filed DEC 27 1963 19
at 10:00 o'clock A.M.

Wray Rattlins
County Clerk and Recorder

*200 pt

File No.

17371

T 18 R 22

DUPLICATE

County Fergus

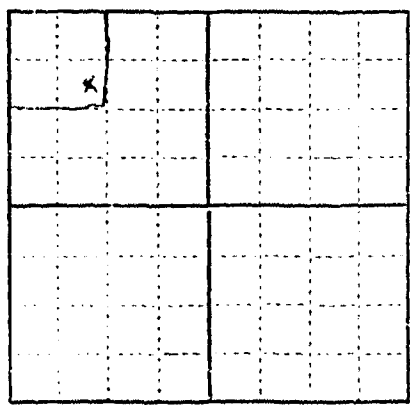
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Alvin B. Anderson of Box 411 Roy
(Name of Appropriator) (Address) (Town)
County of Fergus State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 2 T. 18 R. 22

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based Livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1935 every year since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallon per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
not for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 20 yds N / 30 yds W from the SE corner of the NW 1/4 / NW 1/4 of S. 26 T. 18 R. 22
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1935
8. The depth of water table 10'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Hand dug Round 6' across 10' deep
10. The estimated amount of groundwater withdrawn each year 200,000 gallons
11. The log of formations encountered in the drilling of each well if available none
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner Alvin B. AndersonDate 12/30/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

17298

17371

State of Texas
County of Tarrant

COPY

Filed DEC 30 1983 15
2:15 o'clock P.M.
S.D. May Roshan
County Clerk and Recorder

File No. 23228T. 18 N R 22 East

TRIPLICATE

County Deer

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

JUN 15 1965

Notice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

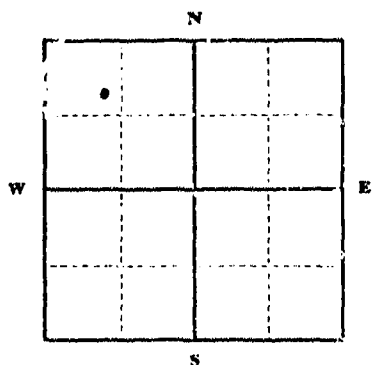
Elev. above sea level.....)

0	1	Topsoil
1	400	Claggett shale
400	455	Top of Eagle-Rock
455	680	Sandstone Water
680	690	Shale

Owner Alvin Anderson Address Roy, MontanaDriller George O. Singley Address Lewistown, MontanaDate of Notice of appropriation of groundwater NoneDate well started May 31, 1965 Date completed June 5, 1965Type of well Drilled Equipment used Rotary
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5- 5/8		0	447			
4- 3/4		447	690			
	4 1/2" 4 1/2" above 6.7' Galv.	ground 1 ft.	447			

NW 1/4 Sec. 27, T. 18, R. 22
Indicate location of well and place of use, if possible. Each small square represents 40 acres.Static Water Level for non-flowing well None feet.Shut-in Pressure for Flowing Well 54Pumping Water Level 150 feet
at 20 gal. per minute.Discharge in gal. per min. of flowing well 7How Tested AirLength of Test 1 hr.Remarks: (Gravel packing, cementing, packers, type of shutoff) Sealed with packer and 8 sacks cement

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

19
Driller's License NumberDriller's Signature George O. Singley

59.216

23828

2217

COPY

State of Montana.
County of Fergus.

JUN 14 1965

Filed
at 2:35 P.M.

W. J. Nathan
County Clerk and Recorder

2000

File No. **17370**

DUPLICATE

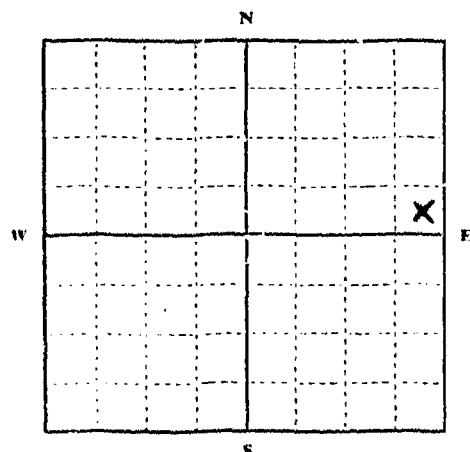
T. **18** R. **22**County **Fergus**

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1963

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Alvin B. Anderson, of Box 411, Roy
(Name of Appropriator) (Address) (Town)
County of Fergus, State of Mont
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NE 1/4 Sec. 27 T. 18 R. 22

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1961 every day of the year

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 gallon per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not for irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Spring 20x5 ft 20x5 ft from the SE corner of the SE 1/4 NE 1/4 of Sec 27 T 18 R 22

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1961

8. The depth of water table 4'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Developed with cat & can. Stalk pit 30' wide 75' long 8' deep. Side slope 3' to 1'

10. The estimated amount of groundwater withdrawn each year 200,000 gallons

11. The log of formations encountered in the drilling of each well if available None

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record County O.S.E. office

Signature of Owner Alvin B. Anderson

Date 12/30/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

17370

State of Montana, } ss.
County of Fernando }

COPY

Filed DEC 30 1963

at 3:15 o'clock P.M.

200

P.D.

Wm. R. Keith
County Clerk and Recorder

RECEIVED

FILE NO.

File No. 17241

Approved Stock Form—State Publishing Co., Helena, Montana—42234

DUPLICATE

T. 18 R. 22
County. Terrell

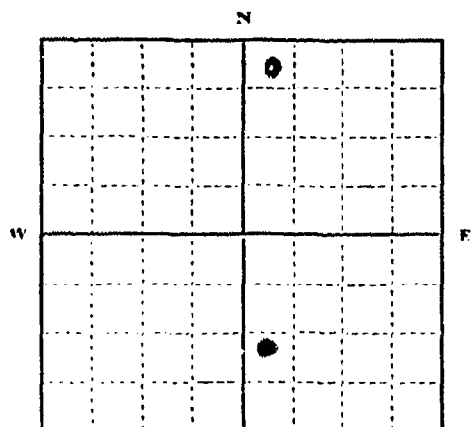
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1962
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Joseph Murphy, of Roy
(Name of Appropriator) (Address) (Town)
County of Terrell State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW NE
SW SE Sec. 29 T. 18 R. 22

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based
stock water and sub-irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
2 wells dug in about 1916
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
8 gal per min and sub-irrigation
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
parts of this is sub-irrigated
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
pumps
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
wells dug about 1916
8. The depth of water table
varies from 3 ft to 1800
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
both wells are about 22 ft
10. The estimated amount of groundwater withdrawn each year
estimated 50,000
11. The log of formations encountered in the drilling of each well if available
no log available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
no county record

Signature of Owner

Date Dec 28, 63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

17172

17241

OP7

State of ~~California~~
County of ~~San Diego~~

Filed DEC 30 1963 19
at 10:55 o'clock A.M.

Mary Rathbun
County Clerk and Recorder

*200-*pt*

File No. 17343

DUPLICATE

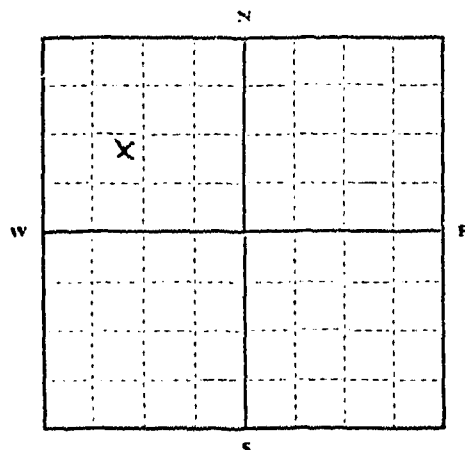
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T. 18 R. 22
County Fergus

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Leroy & Charlotte Coulter, of Ray
(Name of Appropriator) (Address) (Town)
County of Fergus State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.W. 1/4 Sec. 32, T.18, R.22

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based. Household & Stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1914
Continuous since that time
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 gallons a minute
to run all its produces
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump
S.W. 1/4 Sec. 32, T.18, R.22
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1914
8. The depth of water table. 10 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Drug well
12 feet deep
10. The estimated amount of groundwater withdrawn each year. 100,000 gallons
11. The log of formations encountered in the drilling of each well if available. None
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None

Signature of Owner

L. Roy CoulterDate Dec 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

17270

17343

COPY

State of Montana } ss.
County of Fusion }

Filed DEC 20 1963 18

at 2:35 P.M.

\$200
RD

Mary Rithman
County Clerk and Recorder

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. *Walter S. Brasier,*
(Name of Appropriator)

of *Box 443*
(Address)

Boz
(Town)

County of *Fergus*

State of *Montana*

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

This map would not show all the wells and reservoirs I have on over 5000 acres. I have six wells within miles and the ten reservoirs in T17N 22E 23E M.P. 17.

1/4 Sec. T. R.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based *stock water and irrigation*
3. Date or approximate date of earliest beneficial use; and how continuous the use has been *I have been using water from wells for stock watering since 1911. Also from reservoirs on this place.*
4. The amount of groundwater claimed (in miner's inches or gallons per minute) *I have flood irrigated quite a lot perhaps 100 minus inches from reservoir.*
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
On sec 3 & T18N R22E and sec 5 T17N R23E also sec 13 T17N R22E also sec 1 T17N R23E. Owned by my wife, my daughter and myself
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal *from Reservoir by ditches and laterals.*
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater *These wells have been developed at various times since 1911 and also the reservoirs.*
8. The depth of water table *various depths from four to thirty six feet. One drilled well is over 60 ft.*
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater *Some of these wells are cased with steel pipe, some with galvanized. Curbing and some with stone*
10. The estimated amount of groundwater withdrawn each year *I can water four hundred acres at any of these wells*
11. The log of formations encountered in the drilling of each well if available *Most of these wells have been dug by hand in sandy loam. Some are drilled in sandstone*
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record *Up to now there has been no records kept of the wells on this place as there was no law requiring it. But most of the reservoirs were built with the aid of the U.S.D. and other range programs. Also I am planning on drilling for artesian water on this place*

Signature of Owner *Walter S. Brasier.*

Date *Dec 31 1963*

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

1913

File No. **27796**T. 13 R. 22

DUPLICATE

OCT 21 1966

County Fergus

LOG

STATE OF MONTANA 5912201 23ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

0	1	Topsoil
1	5	Broken rocks
5	18	Yellow clay
18	60	Blue sandstone shaley
60	79	Coal shale
79	95	Hard slatey shale
95	110	Sandstone-water
110	125	Sandy shale
125	160	Hard sandstone
		Water

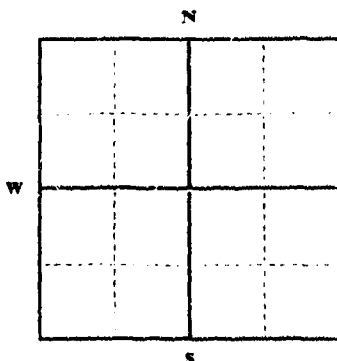
Notice of Completion of Groundwater Appropriation by Means of Well DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Rindal Bros. Address Roy, MontanaDriller George O. Singley Address Lewistown, Mont.Date of Notice of appropriation of groundwater NoneDate well started Aug. 26, 1966 Date completed Sept. 1, 1966Type of well Drilled Equipment used Rotary
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7-7/8	6-5/8 OD 6 1/2 ID 11 1/2	0 above ground 1'	160	1/2 x 4" slots	25 90	45 160
			160			



14 Sec. T. R.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 23 feet.Shut-in Pressure for Flowing Well NonePumping Water Level 100 feet at 10 gal. per minute.Discharge in gal. per min. of flowing well NoneHow Tested PailLength of Test 2 hr.Remarks: (Gravel packing, cementing, packers, type of shutoff) Casing welded joints

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

19
Driller's License Number

George O. Singley
Driller's Signature

41573

27796

COPY

FILED
OCT 28 1966
Filed 3:45 o'clock P.M.
May Rathbun
County Clerk and Recorder.

* 200 20.

File No.

17678

DUPLICATE

T 18 R 22

County

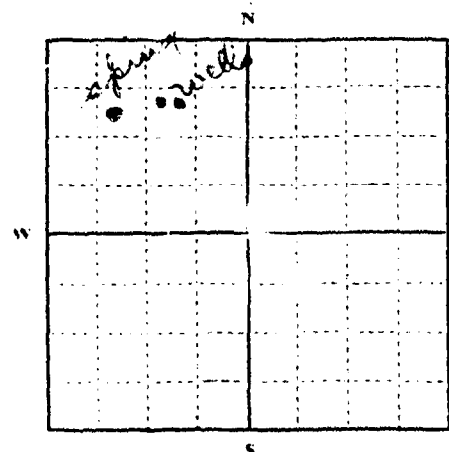
Jergus

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Estate of W.E. Bowers of Box (Name of Appropriator) (Address) (Town)
County of Jergus State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. T. R.
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based stock water & irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 120 ft dug in 1951
old well dug about 1900
spring in use even earlier
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 gal per min
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
irrigate garden & trees
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
shovel, shovel, electric pump
on both wells
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater one in 1951 - other about 1900
8. The depth of water table varies from 15 ft to 30 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
Wells are about 20
ft deep, one is cased with brick and
the other is cased with rock
10. The estimated amount of groundwater withdrawn each year 150,000 gal
11. The log of formations encountered in the drilling of each well if available
No log available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
No County record known to me

Estate of W.E. Bowers
Signature of Owner by James R. Bowers adm.
Date Dec. 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quaduplicate for the Appropriator